

South Carolina Department of Health and Environmental Control
Office of Ocean and Coastal Resource Management
1362 McMillan Avenue, Suite 400
Charleston, South Carolina 29405

July 23, 2013
Permit Application Public Notice

Seabrook Island Property Owners Association, OCRM-13-177-E

The Department has received an application for a permit for the alteration of a critical area. The application was submitted pursuant to the Coastal Zone Management Act (Act 123) of 1977 South Carolina General Assembly. The application in brief, is described as follows:

- LOCATION:** On and adjacent to Captain Sams Creek at Captain Sams Road , Johns Island, Charleston County, South Carolina.
TMS: 147-07-00-026.
- WORK:** The work as proposed consists of constructing an erosion control device. Specifically, the applicant seeks to construct a riprap revetment along an eroding portion of an existing asphalt path. The proposed riprap revetment will be approximately 70' long and 10' wide. The work as described is for erosion control.

This public notice is being distributed to all known interested persons and agencies to assist in developing facts on which a decision by the Department can be based. Comments concerning the proposed work must be submitted in writing, setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition.

Comments regarding this application must be received by the Department on or before **August 7, 2013**. For more information, please contact **Bill Eiser** at **843-953-0237** or via email at **eiserwc@dhec.sc.gov**.

- NOTE:** Plans depicting the proposed work are available and will be provided upon receipt of a written request or may be viewed on the Department website at **www.scdhec.gov/environment/ocrm/public_notice.htm**.

Project Narrative

This work is located on Seabrook Island at the end of Captain Sams Road along an asphalt pathway. This existing asphalt pathway provides access to the Seabrook Island Property Owners Association's Community Dock located on Captain Sams Creek from both Captain Sams Road and Marsh Haven Road. The pathway is on the high grounds between Captain Sams Creek and a Tidal wetland.

This asphalt pathway is beginning to deteriorate along the Tidal wetland side due to the bank eroding. Seabrook Island POA would like to protect the bank of this pathway and prevent further erosion by placing rip-rap along the Tidal wetland side of the pathway for approximately 70 linear feet. Most of this rip-rap will be above the Mean High Water elevation. Access and placement of the rip-rap will be from the existing pathway to limit impact to the Tidal Wetland to just the location of the rip-rap.

The Seabrook Island POA has reviewed three options for this work. **Option 1** would be to do nothing; which could lead to safety concerns for people walking along the path and eventually lead to the loss of access to the Community Crab Dock. **Option 2** would be to install the rip-rap as indicated above and on the included drawings. **Option 3** would be to install steel sheeting near the top of the bank to prevent further erosion; however this option would not provide enough separation from the pathway and what would become a drop-off to the Wetland area thus creating a safety concern. This option would also have a construction cost that could be as much as six times the cost of **Option 2**. Based on these options Seabrook Island POA has chosen to pursue **Option 2**.

OCRM-13-177-e



TIDAL WETLAND

APPLICANT: SEABROOK ISLAND POA

ACTIVITY: CAPTAIN SAM'S RD. CRAB DOCK PATH PROTECTION

DCRM-13-177-e

LOCATION:CAPTAIN SAMS ROAD

TMS # 147-07-00-026

COUNTY: CHARLESTON
DATE: JUNE 10, 2013
P/N# 1562-25

1929 NGVD

THIS CRITICAL LINE WAS FLAGGED BY BILL EISER OF OCRM ON 05/02/2013 AND SURVEYED ON 05/07/2013.

MEAN HIGH WATER LINE IS BASED ON ELEVATION 3.47 N.G.V.D. (1929) AS INDICATED BY TIDAL BENCH MARK KIAMAH BRIDGE, KIAMAH RIVER, STATION ID: 8667062.

PATHWAY REPAIR:

1. SAWCUT AND REMOVE EXISTING ASP
2. REGRADE AND COMPACT EXISTING E
DRY DENSITY.
3. INSTALL NEW TYPE 1 ASPHALT SUR

MATCH

SOUTH CAROLINA
PROFESSIONAL

No. 20948

SOUTH CAROLINA

**G. ROBERT GEORGE,
& ASSOCIATES, INC.**

No. 000570

MATCH
POINT 1

TIDAL
WETLAND

MATCH
POINT 1

INSTALL RIP-RAP
AS INDICATED
SEE DETAIL S-1/1

TIDAL
WETLAND

MATCH
POINT 2

APPLICANT: SEABROOK ISLAND POA

ACTIVITY: CAPTAIN SAMS RD. CRAB
DOCK PATH PROTECTION

OCRM-13-177-C

LOCATION: CAPTAIN SAMS ROAD
SEABROOK ISLAND, SC

COUNTY: CHARLESTON

DATE: JUNE 10, 2013

P/N# 1562-25

1929 NGVD

TMS # 147-07-00-026

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STATION ID: 8667062.

CAPTAIN
SAMS
CREEK

EBB

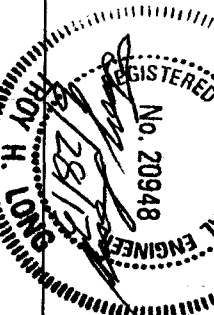
FLOOD



MATCH
POINT 2

REGISTERED PROFESSIONAL ENGINEER
No. 20948

PROFESSIONAL ENGINEER
G. ROBERT GEORGE
& ASSOCIATES, INC.
NO. 000570



MATCH
POINT
2

MATCH
POINT
2

TIDAL
WETLAND

CAPTAIN
SAMS
CREEK

EBB

FLOOD



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APPLICANT: SEABROOK ISLAND POA

ACTIVITY: CAPTAIN SAMS RD. CRAB
DOCK PATH PROTECTION

OCRM-13-177-C

LOCATION: CAPTAIN SAMS ROAD

SEABROOK ISLAND, SC

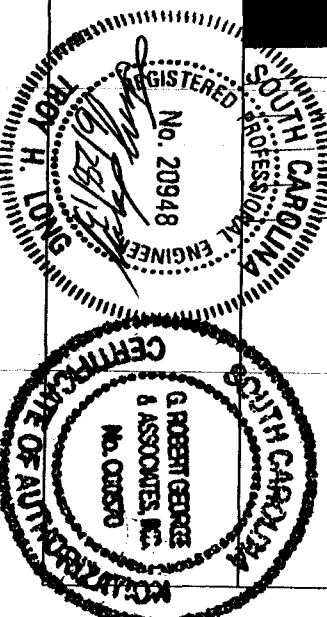
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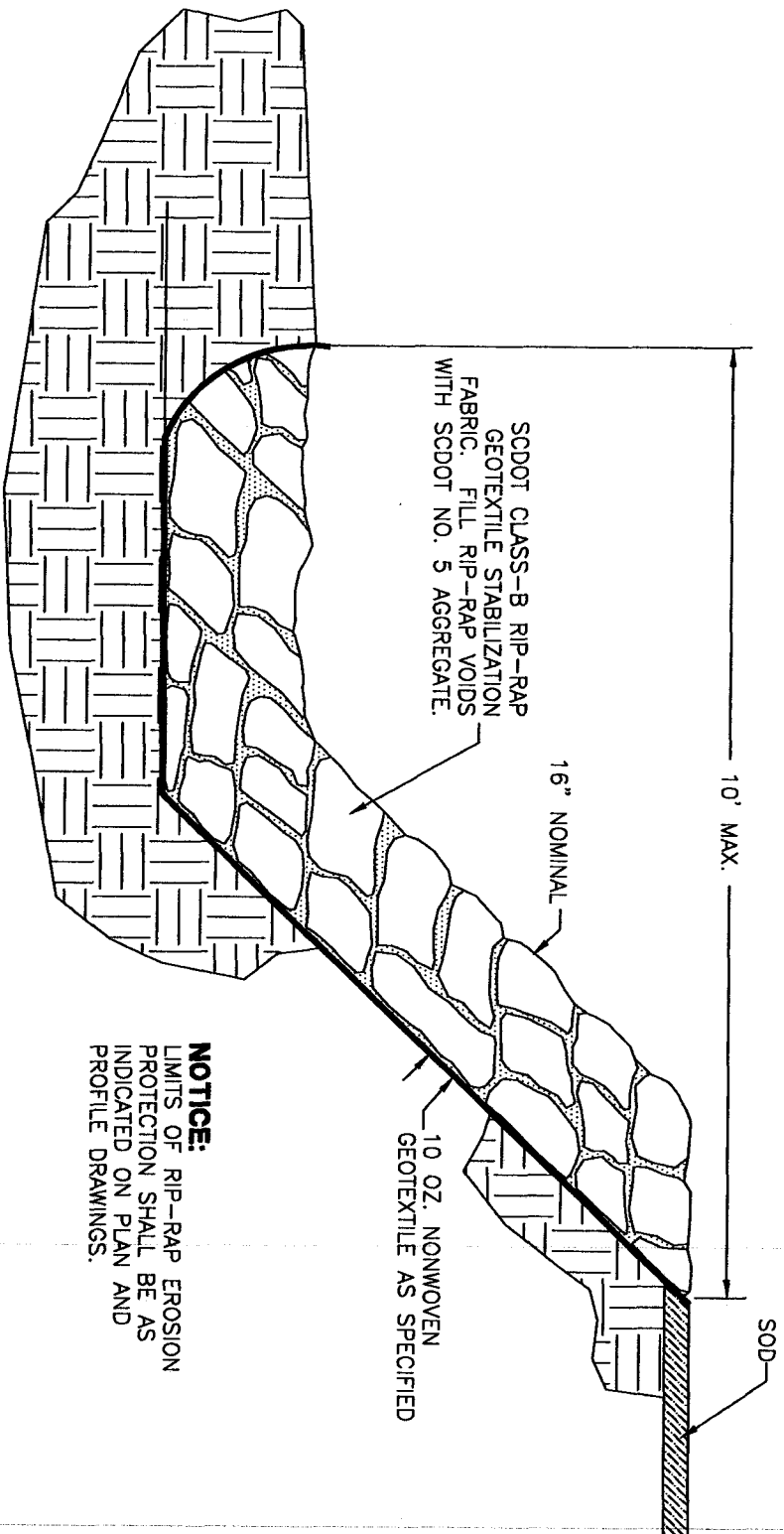
DATE: JUNE 10, 2013

P/N# 1562-25

TMS # 147-07-00-026

1929 NGVD





NOTICE:
LIMITS OF RIP-RAP EROSION
PROTECTION SHALL BE AS
INDICATED ON PLAN AND
PROFILE DRAWINGS.

TYPICAL RIP-RAP SECTION

S-1

1

NOT TO SCALE

APPLICANT: SEABROOK ISLAND POA

TMS # 147-07-00-026

ACTIVITY: CAPTAIN SAMS RD. CRAB
DOCK PATH PROTECTION

LOCATION: CAPTAIN SAMS ROAD
SEABROOK ISLAND, SC

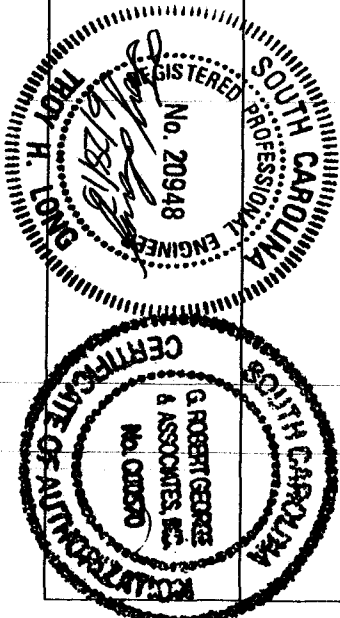
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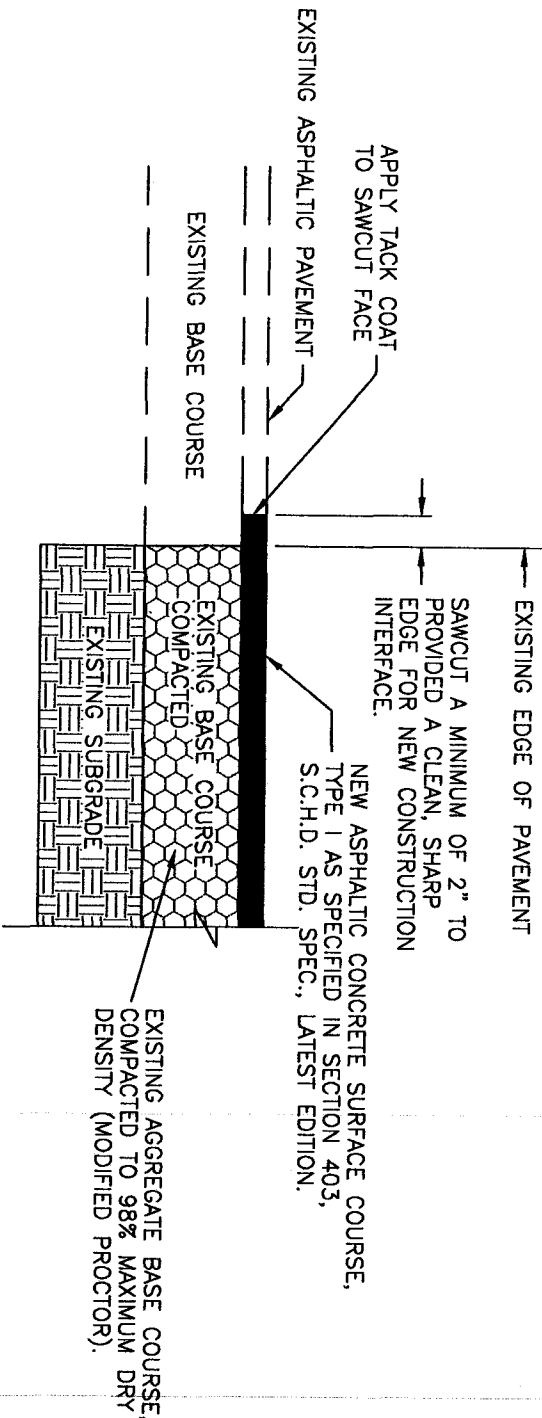
DATE: JUNE 10, 2013

P/N# 1562-25

1929 NGVD

OCRM-13-177-e





S-2
1

EXISTING PAVEMENT REPAIR

NOT TO SCALE

APPLICANT: SEABROOK ISLAND POA

ACTIVITY: CAPTAIN SAMS RD. CRAB DOCK PATH PROTECTION

DCRM-13-177-e

LOCATION: CAPTAIN SAMS ROAD

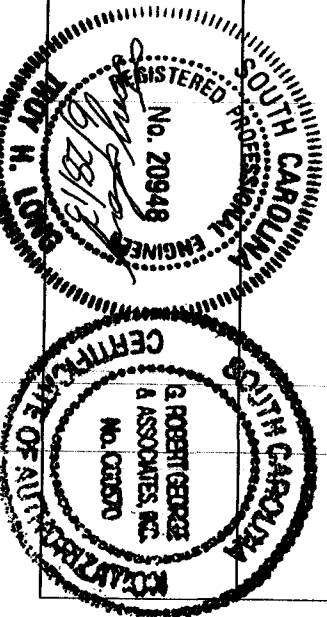
COUNTY: SEABROOK ISLAND, SC

DATE: JUNE 10, 2013

P/N# 1562-25

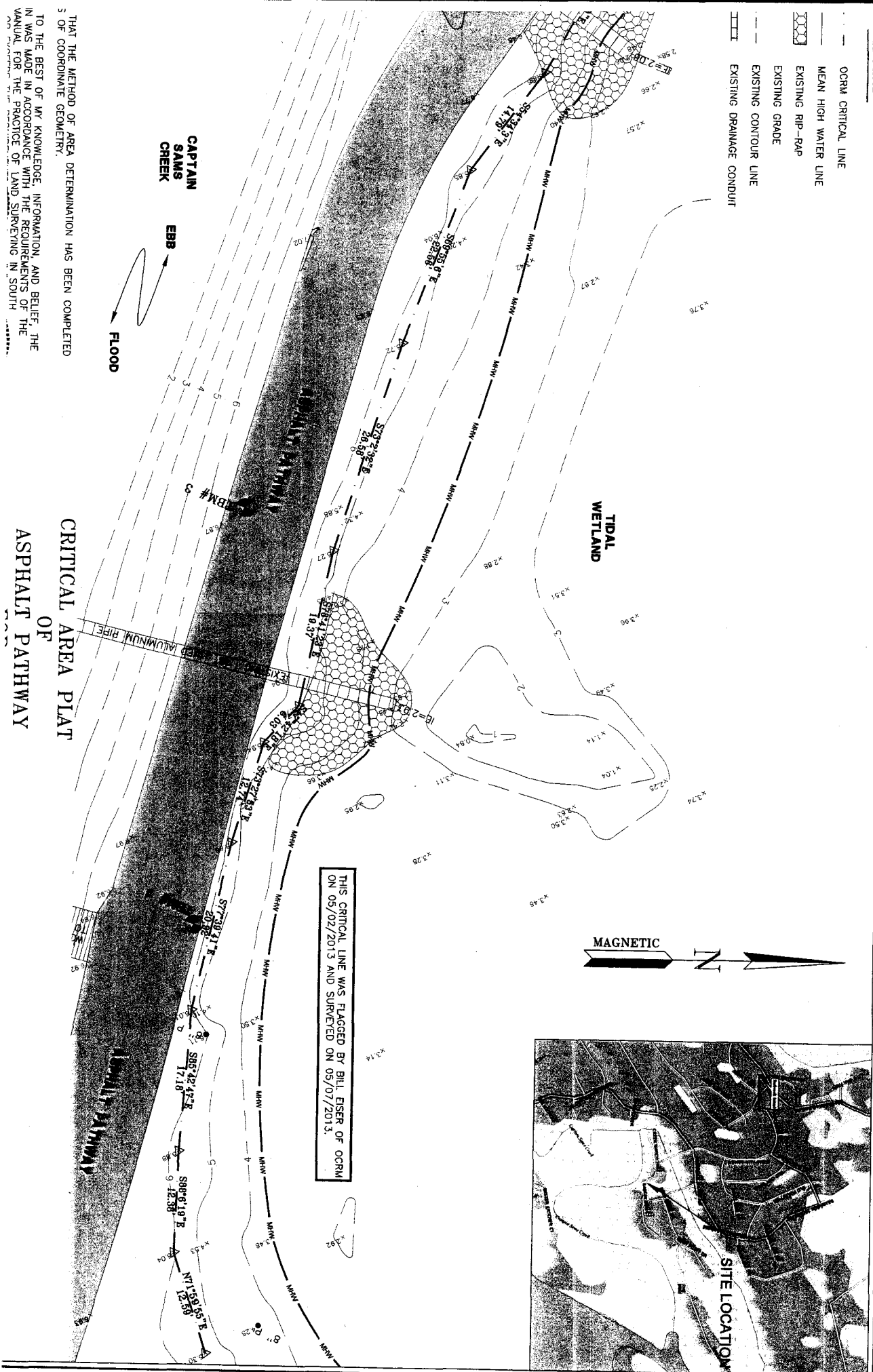
TMS # 147-07-00-026

1929 NGVD



LEGEND

- OCRM CRITICAL LINE
- MEAN HIGH WATER LINE
- EXISTING RIP-RAP
- EXISTING GRADE
- EXISTING CONTOUR LINE
- EXISTING DRAINAGE CONDUIT



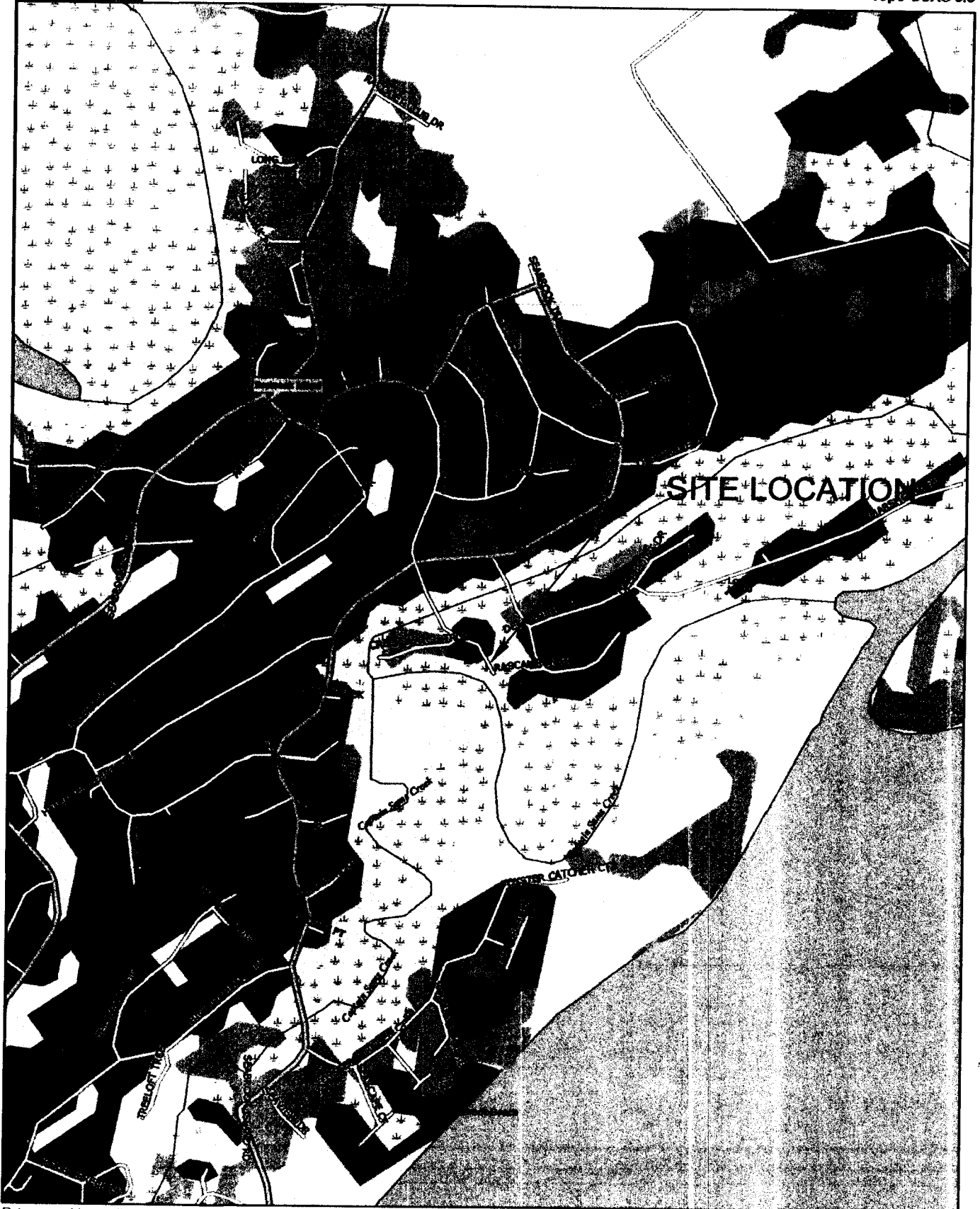
THAT THE METHOD OF AREA DETERMINATION HAS BEEN COMPLETED
 S OF COORDINATE GEOMETRY.
 TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE
 IN WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE
 MANUAL FOR THE PRACTICE OF LAND SURVEYING IN SOUTH

CRITICAL AREA PLAT OF ASPHALT PATHWAY

OCRM-15-111-C

DELORME

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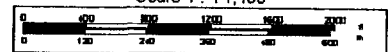
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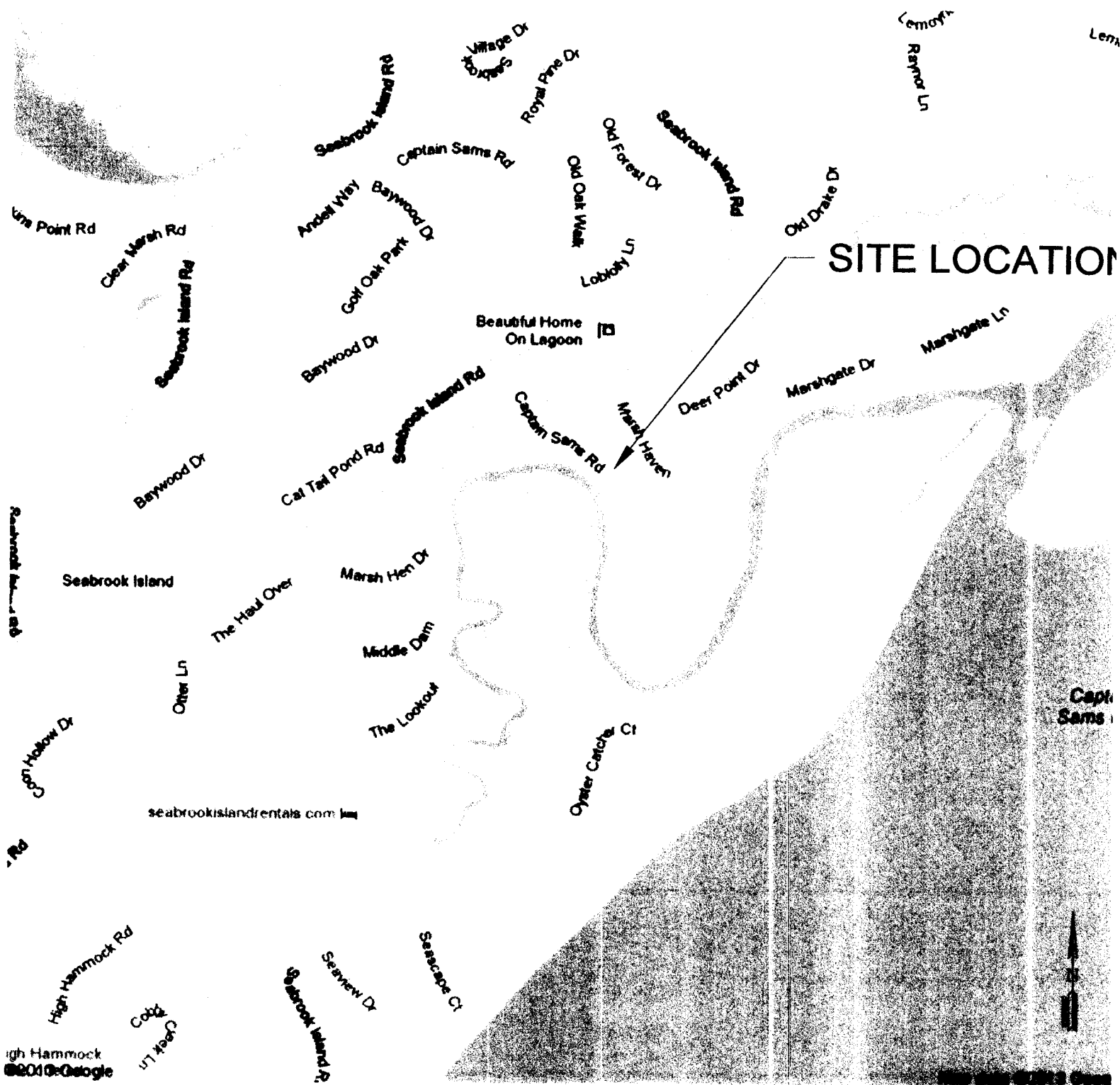
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OCRM-13-177-e

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Scale 1: 14,400





Seabrook Island POA
OCRM-13-177-e